

DOCKET NO.: MSFT-2850/306820.01

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Rajeev B. Rajan, et al.

Confirmation No.: 8383

Application No.: 10/692,227

Group Art Unit: 2171

Filing Date: October 23, 2003

Examiner: Ehichioya, Fred I.

For: **SYSTEM AND METHOD FOR STORING AND RETRIEVING A FIELD OF A
USER-DEFINED TYPE OUTSIDE OF A DATABASE STORE IN WHICH
THE TYPE IS DEFINED**

DATE OF DEPOSIT: *Nov. 17, 2006*

I HEREBY CERTIFY THAT THIS PAPER IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL
SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID,
ON THE DATE INDICATED ABOVE AND IS
ADDRESSED TO THE UNITED STATES PATENT AND
TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA,
VA 22313-1450.

Steven B. Samuels

TYPED NAME: Steven B. Samuels
REGISTRATION NO.: 37,711

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers **45 thru 52** listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of reference numbers **53 thru 58** on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for

DOCKET NO.: MSFT-2850/306820.01 - 3 -

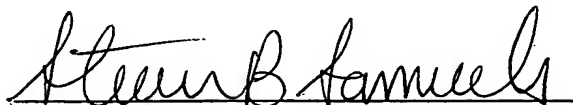
PATENT

which a claim for priority under 35 U.S.C. § 120 has been made in the
instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-
3050. This form is submitted in duplicate.

Date:

Nov. 17, 2006



Steven B. Samuels

Registration No. 37,711

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

© 2006 WW



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-2850/306820.01	Application No. 10/692,227
		Applicant Rajeev B. Rajan, et al.	
		Filing Date October 23, 2003	Group 2171
		Confirmation No. 8383	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	45	Adam, Nabil R., et al., "SI in Digital Libraries, Scaling on an international level requires integrating independently evolved sytems," Communications of the ACM, Vol. 43, No. 6, June 2000, pp. 64-72	
	46	Hull, Richard, "Managing Semantic Heterogeneity in Databases: A Theoretical Perspective," PODS '97, Tucson Arizona, 1997, pp. 51-61	
	47	Klavans, Judith, "Data Bases in Digital Libraries: Where Computer Science and Information Management Meet," PODS 98, Seattle, Washington, 1998, pp. 224-226	
	48	Schauble, Peter, "SPIDER: A Multiuser Information Retrieval System for Semistructured and Dynamic Data," ACM-SIGIR '93, Pittsburgh, Pennsylvania, June 1993, pp. 318-327	
	49	Shapiro, Michael, et al., "Managing Databases with Binary Large Objects," IEEE, 1999, pp. 185-193	
	50	Suciu, Dan, "Distributed Query Evaluation on Semistructured Data," ACM Transactions on Database Systems, Vol. 27, No. 1, March 2002, pp. 1-62	
	51	Wang, Ke, et al., "Discovering Typical Structures of Documents: A Road Map Approach, SIGIR '98, Melbourne, Australia, 1998, pp. 146-154	
	52	Zdonik, Stanley B., "Incremental Database Systems: Databases from the Ground Up," SIGMOD 5/93, Washington, DC, 1993, pp. 408-412	
EXAMINER		DATE CONSIDERED	



Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
MSFT-2850/306820.01

Application No.
10/692,227

Applicant
Rajeev B. Rajan, et al.

Filing Date
October 23, 2003

Group
2171

Confirmation No.
8383

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	53	6,442,748 B1	08/27/02	Bowman-A. M.K.	717	3
	54	6,477,580 B1	11/05/02	Bowman-A. M.K	709	231
	55	6,549,916 B1	04/15/03	Sedlar, E.	707	200
	56	6,549,949 B1	04/15/03	Bowman-A. M.K	709	236
	57	6,550,057 B1	04/15/03	Bowman-A. M.K	717	126
	58	6,606,660 B1	08/12/03	Bowman-A. M.K	709	227

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER

DATE CONSIDERED